

CLAIMS

1. A method of voice recognition of a speech signal uttered by a speaker with automatic correction,
5 comprising in particular a step (13) of processing said speech signal delivering a signal in a compressed form, a step (14) of recognizing patterns so as to search, on the basis of a syntax (SYNT1) formed of a set of phrases which represent the set of possible paths
10 between a set of words prerecorded during a prior phase, for a phrase of said syntax that is the closest to said signal in its compressed form, and characterized in that it comprises
- the storage (16) of the signal in its compressed
15 form,
 - the generation (17) of a new syntax (SYNT2) in which the path corresponding to said phrase determined during the earlier recognition step is precluded,
 - 20 - the repetition of the step of recognizing patterns so as to search, on the basis of the new syntax, for another phrase that is the closest to said stored signal.
- 25 2. The method of voice recognition as claimed in claim 1, in which the new syntax is obtained by reorganizing the earlier syntax in such a way as to particularize said path corresponding to the phrase determined during the earlier recognition step, then
30 eliminating this path.
3. The method of voice recognition as claimed in claim 2, in which said reorganization is effected by traversing the earlier syntax as a function of the
35 words of said phrase and formation in the course of this traversal of the path specific to said phrase.

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4. The method of voice recognition as claimed in one of the preceding claims, characterized in that the search for a new phrase is repeated systematically to anticipate the correction.

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5. The method of voice recognition as claimed in claim 4, characterized in that each new phrase recognized is proposed to the speaker on the request thereof.

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6. The method of voice recognition as claimed in one of claims 4 or 5, characterized in that the search for a new phrase is halted by validation of a phrase recognized by the speaker.

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7. The method of voice recognition as claimed in one of the preceding claims, characterized in that the processing step (13) comprises:

- a step of digitizing and of chopping into a string of time frames of said acoustic signal,
- a phase of parameterization of time frames containing the speech so as to obtain, per frame, a vector of parameters in the frequency domain, the whole set of these parameter vectors forming said signal in its compressed form.

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8. The method of voice recognition as claimed in claim 7, characterized in that the pattern recognition calls upon an algorithm of DTW type.

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9. The method of voice recognition as claimed in claim 7, characterized in that the pattern recognition calls upon an algorithm of HMM type.